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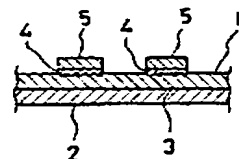
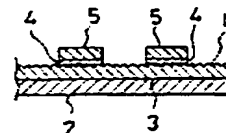
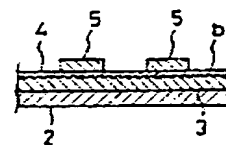
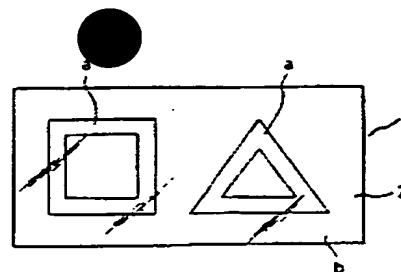
APPLICATION DATE : 19-09-88
APPLICATION NUMBER : 63234233

APPLICANT : TOPPAN PRINTING CO LTD;

INVENTOR : OKAMURA MASANOBU;

INT.CL. : G03H 1/18 G03H 1/20

TITLE : FORMATION OF EMBOSSED
HOLOGRAM SHEET



ABSTRACT : PURPOSE: To obtain the thin embossed hologram sheet by providing a light transparent resin layer on a transparent base material layer, subjecting the layer to embossing for hologram formation over the entire surface or like patterns, depositing a vapor deposited metallic film on this surface, printing a corrosion resistant etching paint thereon to prescribed patterns and removing the vapor deposited film exclusive of the printed region.

CONSTITUTION: The light transparent resin layer 3 consisting of nitrocellulose and urethane resin is applied over the entire surface of the transparent base body layer 2 consisting of a sheet-like film (b) of polyester, polypropylene, etc., and is fed to a roller provided with hologram embossing patterns on the cylinder surface, by which the entire surface of the layer 3 is embossed. The vapor deposited metal layer 4 consisting of Al, etc., is then deposited over the entire surface and the corrosion resistant etching paint 5 consisting of ink or vanish for paster, etc., is previously printed thereon in accordance with the prescribed patterns (a). The layer 4 of the part where the paint 4 does not exist is dissolved by a 2% NaOH soln. and is removed, by which the embossed hologram sheet 1 having the desired patterns is obtd.

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